

**Notice inviting Request for Proposal (RFP) for the
selection of consultancy firms for mapping of critical infrastructure in the state
of Uttarakhand**

Information management using GIS

Geographical Information System (GIS) is a powerful tool and, if used effectively, this can play a crucial role in gathering and analyzing information needed for effective decision making during times of crisis. GIS has the capabilities of providing higher quality results that are far better than those obtained manually. GIS can facilitate prompt and effective decision making and improve coordination amongst agencies involved in disaster management related to planning, monitoring and implementation at the state and district, block, municipality and gram panchayat levels. It at the same time can help in strengthening disaster management related functions by incorporating essence of latest knowledge and scientific development in the same.

Effectiveness of GIS

Effectiveness and importance of using GIS based tools and techniques lie in:

- Effective decision making
- Visual appeal
- Clarity in deciphering geographical details
- Image interpretation and thus access to synoptic view of the affected area and to have visual representation and data pertaining to the changes introduced in the same by the particular event
- Ease of adding and removing particular layers from the representation and to include the same or omit these from the analysis and correlation
- GIS database can depict vital features like boundaries, topography, road network, utility and supply lines and others that help in effective disaster management related planning

Disaster Mitigation and Management Centre (DMMC)

DMMC is an autonomous institution of the Department of Disaster Management, Government of Uttarakhand that is dedicated to the cause of disaster management in the state. DMMC has full-fledged GIS and remote sensing facility that has been capturing details related to various physical and manmade features together with

infrastructure and other facilities that are likely to be required during an emergency situation. It has also been undertaking GIS based studies for assessing vulnerability and risk potential of the region to various hazards.

The use of GIS based planning and decision-making promises to provide an effective solution with regard to the following:

- Assessment of vulnerability and risk before planning for mitigation and development planning.
- Developing maps based on the requirement of the user agency.
- Drawing of blue print of actions to be initiated at the various levels and correlating this information to the user agency.
- Bringing available maps on different scales to a common format.
- Development of large scale topographic maps of hazard prone areas using various available technologies so as to ensure effective planning.
- GIS is to help in the generation of spatial outputs with supportive tables / charts that would help in development planning and decision making.

Request for Proposal (RFP)

Disaster Mitigation and Management Centre (DMMC), Uttarakhand Secretariat, Dehradun invites Request for Proposal (RFP) for the selection of firms for collection and mapping of data pertaining to critical infrastructure.

The objective of the consultancy service is thus to collect the data pertaining to critical infrastructure along with relevant attributes in the state and map the same on GIS platform.

The critical infrastructure to be covered is as following:

1. Medical infrastructure(Government and Private)
2. Police stations/chawkies including SDRF
3. Important government buildings (DM office, Vikas Bhawan, Tehsil, block office etc.)
4. GMVN/KMVN guest houses.
5. PWD/Forest rest houses.
6. Helipads
7. Bridges

8. Open grounds within city/town
9. Private collages
10. Petrol pumps

It is intended to capture data pertaining to the following with regard to the above listed infrastructure.

1. Name and GPS location along with relevant attributes (data collection form to be provided by DMMC).
2. Photograph of the infrastructure.
3. Name and contact no of contact person.

Interested firms may submit the RFP along with all required documents to **Executive Director**, Disaster Mitigation and Management Centre, Uttarakhand Secretariat, 4 Subash Road, Dehradun on or before **11 May, 2017** in a sealed cover super scribed "RFP for selection of Consultancy firm for collection and mapping of critical infrastructure".

Scope of Work:

1. Collecting location of infrastructure along with attributes from field through location capturing device.
2. Providing shape file (GIS format).
3. Data accuracy 3 meters or above.
4. Time period for collection and mapping of data is 03 months.

Eligibility Criteria for participating Consultancy Firm:

1. The applicant should be a firm or legal entity registered under Companies Act, or any other law and should have been in operations in India for at least 3 years with the proof of incorporation /commencement of business (please attach the registration certificate).
2. The Firm should have experience in location based data collection.
3. Firm should have experience in field data collection related to emergency services.

4. Average annual turnover of the Consultancy Firm in any last three financial years ending on March 31st 2017 should be equal to or greater than 05 lakh. (please attach balance sheets and P&L accounts of last 3 years).
5. The Bidder should not be under a declaration of ineligibility for corrupt and fraudulent practices or any other reason, whatsoever, or have not been blacklisted by the Government of India or any.
6. Please submit declaration on bidder's company letter head.
7. All the documents must be signed by Authorized Signatory.
8. Short note on the similar projects implemented by the consulting firm pertaining to the short listing criteria.

SUMMARY SHEET

Name of the Agency:	
Address of Registered Office	
Contact Person	
Year of Establishment	
Annual Turnover * in last three years Year 2016-17 Year 2015-16 Year 2014-15 Average Annual Turnover for above three Financial Year: *Audited Statements to be enclosed	
Net worth of Agency:	
Current Contract Commitments:	
Working Capital:	
Any Other Relevant Details	

DETAILS OF SIMILAR WORKS CARRIED OUT IN THE LAST THREE YEARS

Assignment Name:	
Location:	
Name of the Client:	
Address:	
Start date (Month/Year)	
Completion Date (Month/Year)	
Work Order Amount (in INR)	
Name of Association of Project:	
Brief Description of Project:	
Prof of attachment	Attached/Not Attached

FINANCIAL PROPOSAL

1. Financial proposal must be submitted along with the Financial Submission Form.
2. Consultant should quote the rates in INR including all taxes, field expenses including travel charges.
3. Consultant has to provide device for data collection and uploading
4. Consultant should quote price on per district basis.

Financial Proposal Submission Form

To
Executive Director
Disaster Mitigation & Management Centre,
Department of Disaster Management,
Government of Uttarakhand,

Dear Sir,

We, the undersigned, offer to provide the consulting services for collection and mapping of critical infrastructure in the state of Uttarakhand.

Our attached Financial Proposal is for the amount of INR including all taxes and field expenses including travel charges.

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal.

Yours sincerely,

Authorized Signature {In full and initials}: _____

Name and Title of Signatory: _____

In the capacity of: _____

Address: _____

E-mail: _____

Telephone - _____

For a joint venture, either all members shall sign or only the lead member/consultant, in which case the power of attorney to sign on behalf of all members shall be attached)

TERMS OF REFERENCE (TOR)

Objective:

With an overall goal of increasing the State Disaster Resilience capacity to be able to increase safety during the times of Disasters, this project aims to collect and map data related to critical infrastructure in the state along with relevant attributes.

Activities :

Mapping all the critical infrastructure in the state on GIS platform along with the relevant information related to these infrastructures. Critical infrastructure includes Government buildings like DM office, Vikas Bhawan, Tehsil, Block office, medical facilities(government and private), police stations, chawkies, SDRF, KMVN/GMVN guesthouses, PWD and Forest rest houses, private collages, open ground in town/city and bridges.

Outputs:

- Location map of entire critical infrastructure of the state.
- Photograph and other relevant information about critical infrastructure.
- Output in form of shape file (GIS format)

Methodology:

- Teams would be formed for capturing data and recorded data would be mapped on GIS platform.
- Data collection forms would be provided by DMMC.

Timeline

The time line for completing data collection and mapping of critical infrastructure is 03 months.